AMENDMENTS TO THE CLAIMS

Listing of Claims

1. (Currently Amended) A sugar chain-altered antibody (anti-HM1.24 antibody) against HM1.24 antigen, wherein

(A) the antibody comprises a sugar chain which includes N-glycoside-linked sugar which has a basic structure

Manβ1-4GlcNAcβ1-4GlcNAc-PA

wherein said sugar chain does not contain α1,6 core fucose but contains a bisecting N-acetylglucosamine (GlcNAc) which is bound with a β1,4-linkage on the mannose (Man) of the basic structure **and**

(B) wherein of all sugar chains on said antibody the relative ratio of all fucose-free sugar chains is 30% or more.

2. (Original) The antibody (anti-HM1.24 antibody) against HM1.24 antigen according to claim 1 in which the alteration of sugar chains resulted in enhanced antibody-dependent cellular cytotoxicity (ADCC).

3. (Previously Presented) The antibody according to claim 1 in which said antibody is a monoclonal antibody.

4. (Previously Presented) The antibody according to claim 1 in which said antibody is a chimeric antibody.

5. (Previously Presented) The antibody according to claim 1 in which said antibody is a humanized antibody.

6-8. (Cancelled)

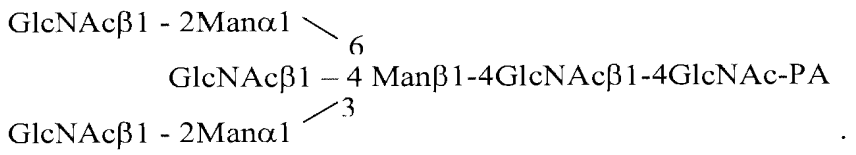
9. (Currently Amended) An antibody composition comprising anti-HM1.24 antibody having a sugar chain according to claim 1, wherein of all sugar chains on said antibody the relative ratio of all fucose-free sugar chains is ~~30~~ **35**% or more.

10. (Withdrawn) A method of producing said antibody according to claim 1 which method comprises culturing cells deficient in fucose-adding ability having introduced therein a nucleic acid encoding an antibody (anti-HM1.24 antibody) against HM1.24 antigen, and harvesting said antibody from said culture.

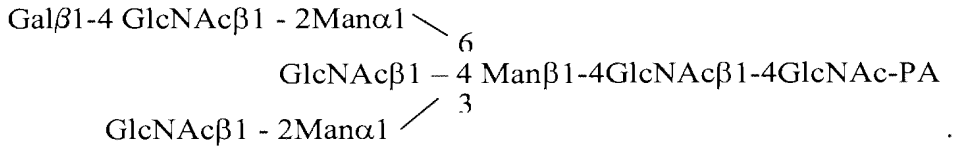
11. (Withdrawn) A method of producing said antibody according to claim 7 which method comprises culturing a host cell having introduced therein a nucleic acid encoding N-acetylglucosaminyl transferase III (GnTIII), and harvesting said antibody from said culture.

12. (Withdrawn) A method of producing said antibody according to claim 8 which method comprises culturing cells deficient in fucose-adding ability having introduced therein a nucleic acid encoding N-acetylglucosaminyl transferase III (GnTIII), and harvesting said antibody from said culture.

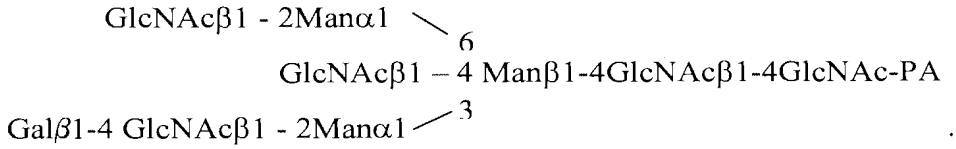
13. (Previously Presented) The sugar chain-altered antibody of claim 1, wherein the N-glycoside-linked sugar which does not contain α1,6 core fucose but contains a bisecting N-acetylglucosamine (GlcNAc) which is bound with a β1,4-linkage, has the following structure:



14. (Previously Presented) The sugar chain-altered antibody of claim 1, wherein the N-glycoside-linked sugar which does not contain α1,6 core fucose but contains a bisecting N-acetylglucosamine (GlcNAc) which is bound with a β1,4-linkage, has the following structure:



15. (Previously Presented) The sugar chain-altered antibody of claim 1, wherein the N-glycoside-linked sugar which does not contain α1,6 core fucose but contains a bisecting N-acetylglucosamine (GlcNAc) which is bound with a β1,4-linkage, has the following structure:



16. (New) The sugar chain-altered antibody of claim 1, wherein the percentage of sugar chains with bisecting GlcNAc is about 11%.

17. (Withdrawn-New) A method of increasing the ADCC activity of an antibody comprising modifying the sugar chains of the antibody in order to get a sugar chain containing no α1,6 core fucose but a bisecting acetylglucosamine which is bound with β1,4-linkage on the mannose of the basic structure wherein of all sugar chain on said antibody the relative ratio of fucose-free sugar chains is 30% or more.